

```
graph TD
    30[30] --- 10
    16[16] <--> 10
    18[18 Monitor optional] <--> 10
    subgraph 10 [10]
        20[20 Processor] <--> 21[21 Memory]
        21 --- 22[22]
    end
    10 -- 40 --> 40_label[output to external systems]
```

100

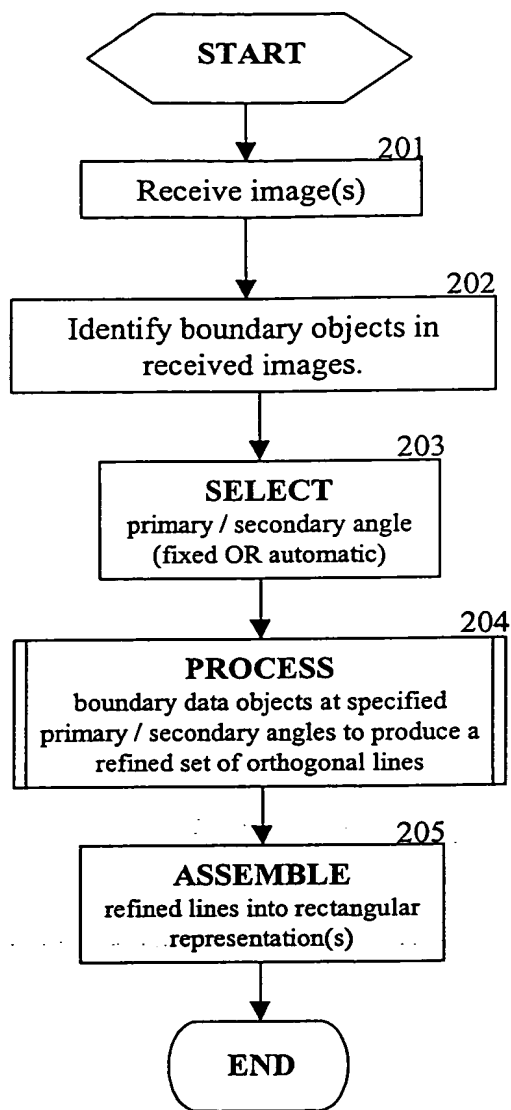


Fig. 2

009707 " 50282360

300

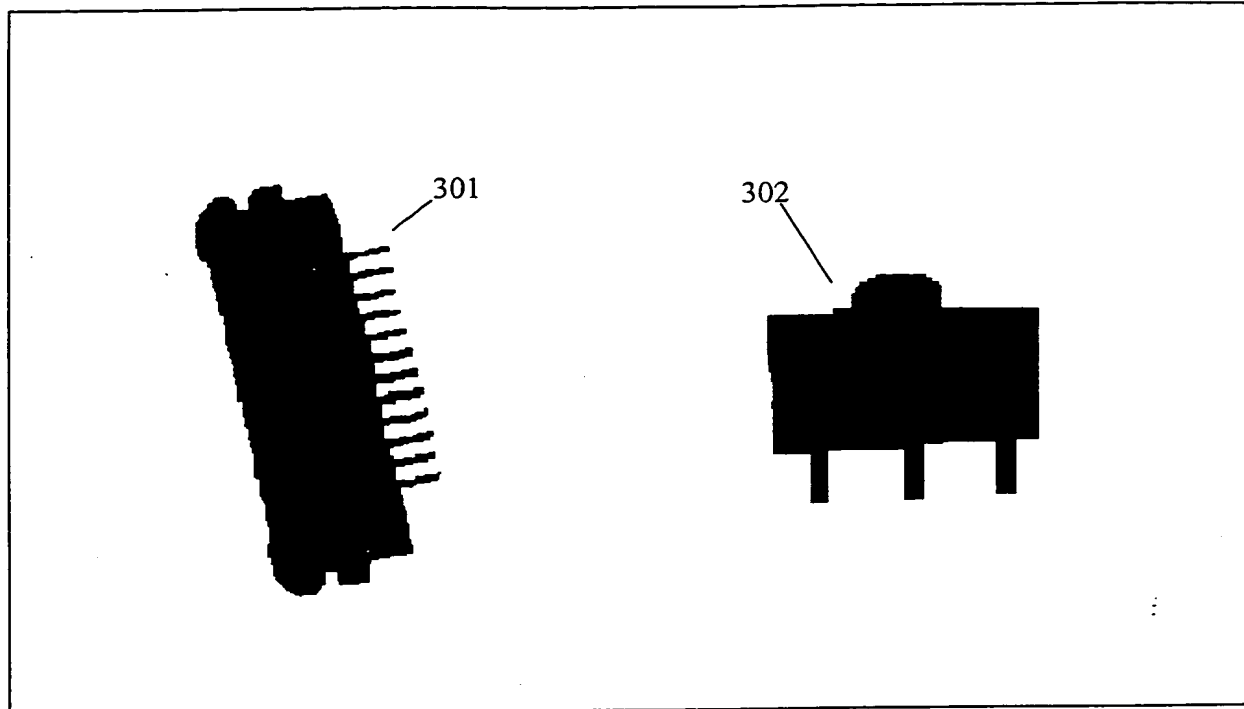


Fig. 3A

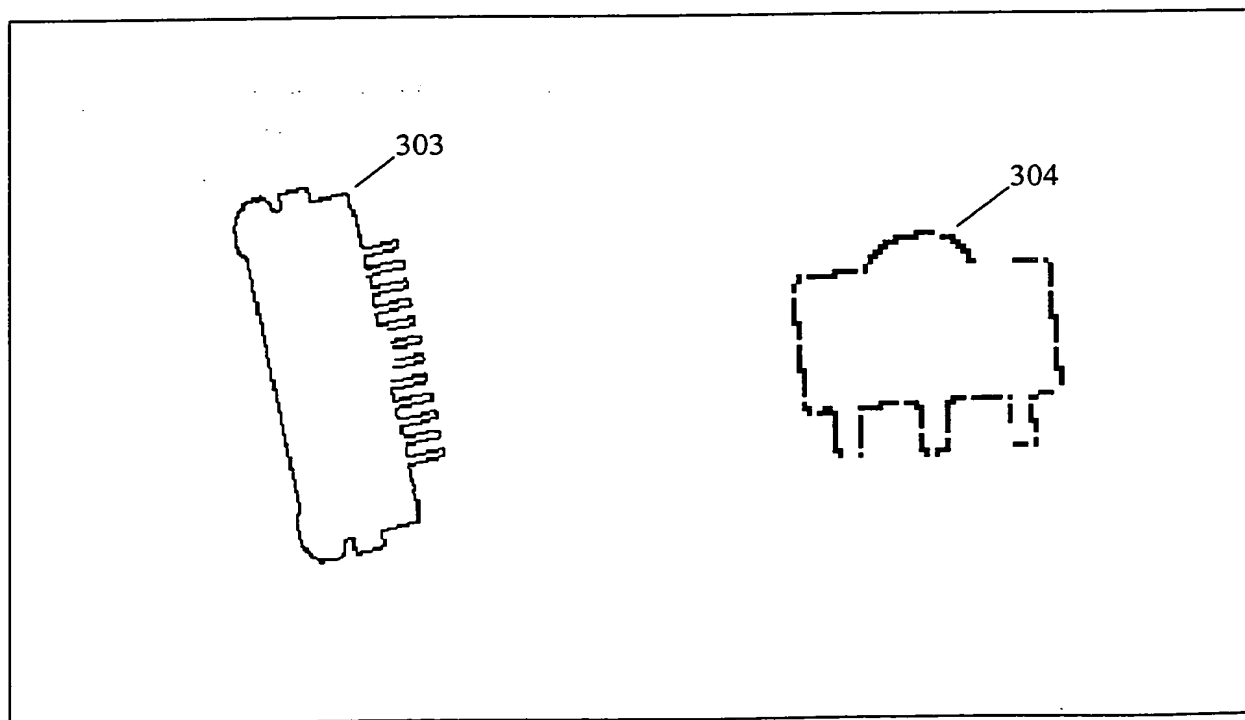


Fig. 3B

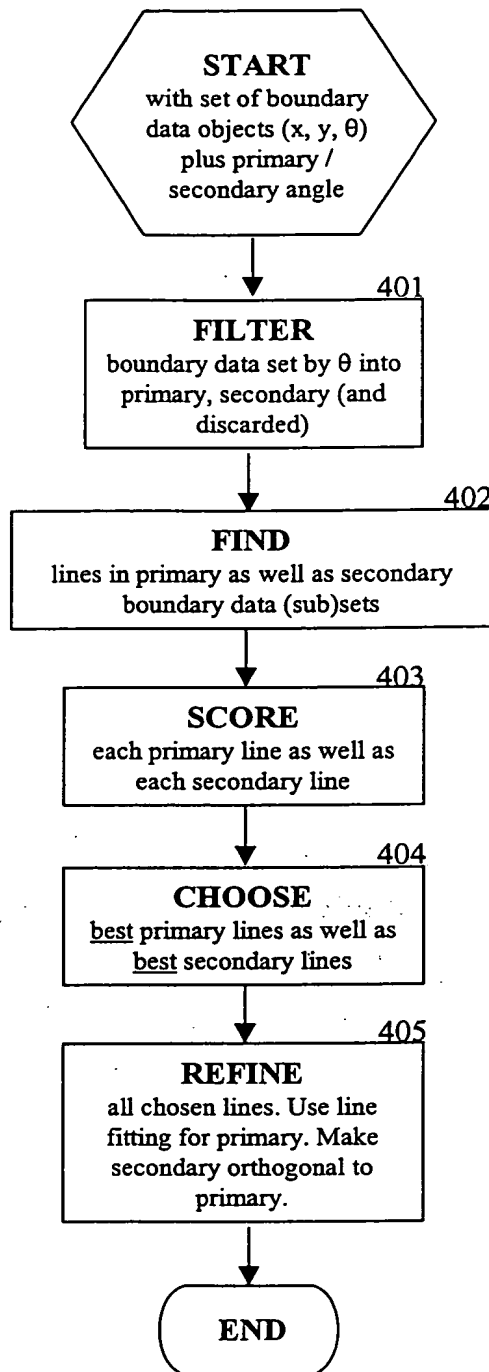


Fig. 4

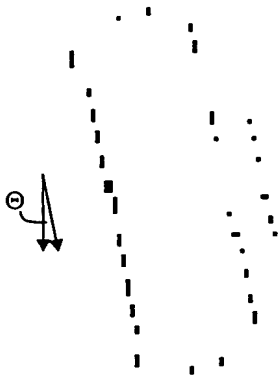


Fig. 5A

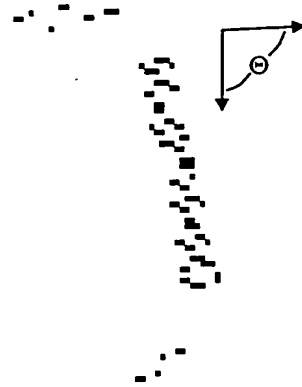


Fig. 5B

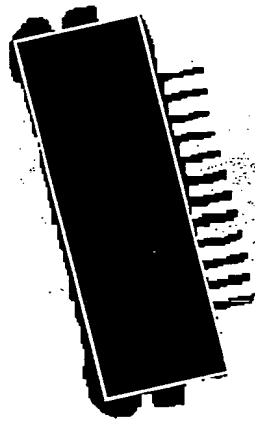


Fig. 5C

00507" 50288960

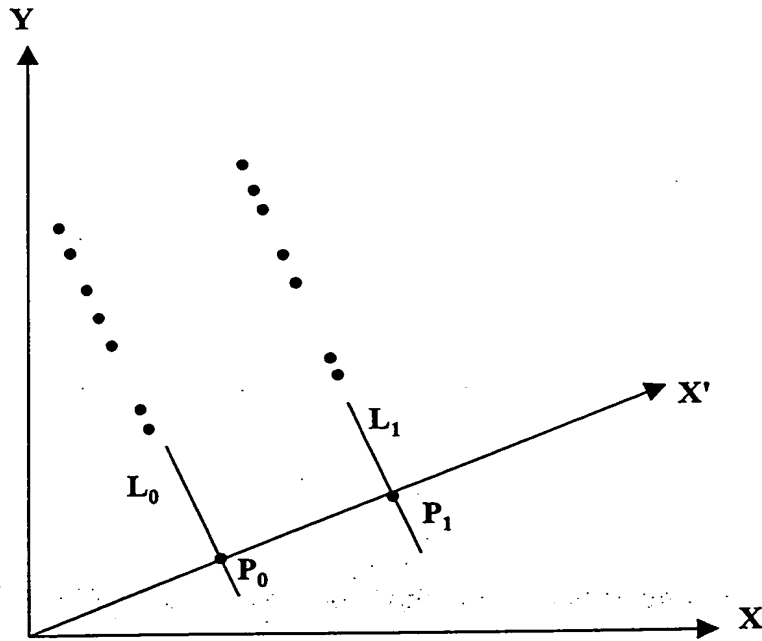


Fig. 6

```

graph TD
    START([START]) --> 201[Receive image(s)]
    201 --> 202[Identify boundary objects in received images.]
    202 --> 701[Select initial primary angle of orientation,  $\theta$ , and corresponding secondary angle of orientation.]
    701 --> 204[PROCESS  
boundary data objects at specified primary / secondary angles to produce a refined set of orthogonal lines]
    204 --> 205[ASSEMBLE  
refined lines into rectangular representation(s)]
    205 --> 702[Increment  $\theta$ .]
    702 --> 703{Is  $\theta > \theta\_Max$ ?}
    703 -- No --> 204
    703 -- Yes --> END([END])
  
```

END